1600

RAW SEQUENCE LISTING

Input Set : A:\BGN-14.txt

Output Set: N:\CRF4\02272003\1832658A.raw

```
4 0110 - APPLICANT: Pepinsky, Blake
            Punkel, Laura
            Frickelmaier, Maryct
            Whitty, Adrian
            Scchman, Paula
   10 -120- TITLE OF INVENTION: Polymer Conjugates of Interferon Beta-la
   10 - 150 - FILE REFERENCE: 00689-514/A065
  15 <140 - COPPLETT AFFLICATION NUMBER: 09/830,658A
  16 <141 - CUFFERT FILING DATE: :001-04-11
  18 -150 - FRIOH APPLICATION NUMBER: FCT/0899/24201
  19 -151 - FFIOF FILING DATE: 1999-10-19
  21 <1562 FFIGE APPLICATION NUMBER: 60/104,572
  IN *151 * FF10F FILING DATE: 1998-10-16
  .4 <150 < FRIOR APPLICATION NUMBER: 60/120,161
   5 41512 FETOR FILING DATE: 1999-02-16
  17 - 160. NUMBER OF SEQ IN MOS: 40
  . 9 - 170 - SOFTWARE: FastSEQ for Windows Version 4.0
  31 <310 - SEQ ID NO: 1
  32 <111 - LEMOTH: 549
  33 FOIL F TYPE: DNA
  34 - 21% OFGANISM: murine
 36 -4000 SEQUENCE: 1
 37 tooggagges ateateatea toateatago tooggagaeg atgatgasaa gatgagetae
 38 aactidetry gatteetaca kaguageage aartiteagt gicagaaget eetgiggeaa
                                                                             60
 39 ttquatgoda ggctugaata otgoctoasg gadaggatga actttgacat cootgaggag
                                                                            120
 40 attaagcago tgcagcagtt poagaaggag gacgccgcat tgaccatcta tgagatgctc
                                                                            130
 41 dadaacatot tigotaitti dagadaagat toatotagda oliggotiggaa tigagadtatt
                                                                            240
 42 gttgagaans tootggotaa tgtotatoa* dagataaans atotgaagas agtootggaa
                                                                            300
 45 gaaaaantog agaaagaaga tittoacoagg ggaaaactoa tgagcagtot gcacotgaaa
                                                                            360
 44 agetartang gaaggattot goattachty aaggecaagg agtacagtea engigeengg
                                                                            420
 4) accatagina gagtogaaat ootaaygaad titractica tiaacagadi tacaggitad
                                                                            480
                                                                            5.40
48 8010 - SEQ IN 190: 2
                                                                           5.49
49 -1112 LEDGTH: 183
50 KILLY TYPE: FFT
51 - 132 ORSANISM: murine
53 -4000 SEQUENCE: 2
54 Ger Gly Gly His His His His His His Ser Ser Gly Asp Asp Asp
56 Lys Mer Ser Tyr Ash Leu Leu Gly Phe Leu Gln Ary Ser Ser Ash Phe
53 Glm Gyr Gln Lys Led Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys
```

RAW SEQUENCE LISTING

DATE: 02/27/2663 PATENT APPLICATION: US/09/832,658A TIME: 10:58:01

Input Set : A:\BGN-14.txt

Cutput Set: N:\CRF4\02272003\1832658A.raw

```
40
          24
60 Let lys Aup Arg Met Ash Pho Asp Ile Pro Glu Glu Ile Lys Gln Let
                           55
60 G.m. in the Gin Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu
                       7.C
64 61
€: Clm Aco I o Phe Ata Ile Phe Arg Glo Asp Ser Ser Ser Thr Gly Trp
                           90
                  85
e6~{
m Acm.} The The Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile
                                  105
                                                       110
               1000
Ct Ast. Has led Lys Thr Val Led Glu Glu Lys Led Glu Lys Glu Asp Phe
                                    1: 5
                               120
39 115
To The Ara By Lys Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly
                           135
The Ard Ite Let His Tyr Leu Lys Ala Lys Glo Tyr Ser His Cys Ala Trp
                                          155
                      150
73 141
74 Tr: 11e Val A: | Val Glu Ile Leu Arg Asn Phe Tyr Phe 11e Asn Arg
                                        170
                   1€5
75
76 deu Thr Oly Tyr Leu Arg Asn
               1 - 1
₹0 ..10 · 3Eφ IIo 30: €
A1 - F11 - LENGTH: 60
 32 - 212 - TYER: IBA
 23 -213 OFGAMESM: Luman
 RE - 490 - SEQUENCE: O
Re ittimica igași ac intigatga caagatgago tacaacttgo ttggattoot acaaagaago
ξα - 110 - SEQ ID HO: 4
po - 111 - LEISTH: 39
 01 + .1.0 + TYP4: LUA
90 + L13 + OF CANIETT: numan
 94 - 400 - SEQUENCE: 4
                                                                            39
 Mb Homphitogap that cagaggiaac cigiaagic
 97 - 210 - SMQ ID NO: 5
 98 - 31 - LEMGTH: 35
 49 × 111 · TYPE: DMA
 100 -013  OFGANIOM: human
 102 - 406 - SEQUENCE: 5
                                                                             35
 103 emithorizing appearcate ateateatea taget
 105 - 105 CEO ID NO: €
 106 + 11 + LENGTH: 35
 107 - 211 - TYFE: DNJ.
 10: ... 13 - OFGANI. 11: human
 110 - 400 - MERCUENTE: 6
                                                                              35
 111 magagatist datgatgatg atgatggccc cogga
 11 - - 110 - JEP IN NO: 7
 114 - 201 | REMOTE: 67
 119 . 12 - TYLE: INA
 110 - . 13 - 04 WANTEM: human
 11- -4-1 - JEDUEN E: 7
 11 · reggagarga 'gatgadaag atggotfacg cogotottgq agosotadaa gottotagda 60
```

RAW SEQUENCE LISTING

FATENT APPLICATION: US/09/832,658A TIME: 10:58:01

DATE: 02/27/2003

input Set : A:\BGN-14.txt

put Set: N:\CRF4\02272003\1832658A.raw

105 - 115 OF GANI.M: human 187 - 400 - SEQUEN E: 15 106 - 600 Prating a patient gag 188 at the grant garmagea 181 - 200 - 385, 10 to: 16 180 - 131 - EFEGTE: 32	gatgeteca	gaacatcttt	gctattttcg	ctgcagcttc	60 7 ŝ
197 - 11 TYPE: DNA 194 - 117 - OFGANISM: human 196 - 400 - SEQUENCE: 16 197 gquandortic authorityct go 198 agadantict ac 190 - 216 - SEQ ID NO: 17 101 - 211 - DEMGTH: 72	cactcctga	gcaatgtcta	tcatcagata	aaccatctga	60 72
Cor - Did - PTFE: DUA Dos - Dis - OFGANICM: Human Dos - 400 - SEQUENCE: 17 Dos ogsatgadad cattottgag as Do7 orgoagtrot ad Do9 - 216 - SEQ 10 00: 18 D10 - D11 - DEUGTB: 44	acctcctgg	ctaatgtcgc	tcatcagata	gcacatctgg	60 7.!
11 - 011 - TYPE: ENA 010 - 013 - OPGANISM: human 014 - 400 - SEQUENCE: 18 115 ctwootgcas asctggetgc ac 117 - 010 - SEQ ID NO: 19 118 - 111 - LENGTE: 69 119 - 01 - TYPE: INA	gctgatttc	accaggggaa	aact		4.1
120 + 12 + 05GANISM: human	ıgaagcagct	accgctggaa	. aagcaatgaq	g egegetgeae	60 69
038 - 21 TYPE: DNA 139 - 1130 OBGANISM: human 131 - 400 - SEQUENCE: 20 232 tautatogga ggattotgca t 234 - 210 - SEQ ID NO: 21 235 - 211 - LENGTE: 76 136 - 112 TYPE: BNA	tacctgaag	gccaaggagt	actcacacto	g t	51
137 - 21 km o RGANISA: human 179 - 400 + properties: 21 140 - satigageart etycacetga a 241 - geartantea maetga 243 - 110 + SEQ ID NO: 22 244 - 211 + LENGTH: 87 245 - 211 - TYPE: TNA 246 - 217 - OF SANISM: human	aaagatattä	a tggggcaatt 76	t gctgcatac	c tggcagccaa	60
248 - 400 - SEQUENCE: 22					

DATE: 02/27/2003 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/832,658A TIME: 10:58:01

Input Set : A:\BGN-14.txt

```
Output Set: N:\CRF4\02272003\1832658A.raw
049 hato goagt of goace galaaagatatta tgggaggatt cigcattace tgaaggeege
                                                                        60
                                                                        37
itt igdatabtna sabtytyckt ggadgat
.e., -.710 - SEQ ID NO: 13
..5 - -211 - LENGTH: €/
.94 -31. - TYPE: DNA
.84 -.17 - OR MANISM: human
_07 -400 - SEQUENCE: 25
.Ta catgagoagt itgoacitga aaagatatta tgggaggatt ctgcattacc tgaaqgcaaa
ysu qıamadgut goatgigəət ggadgat
261 - 210 - SEQ II NO: 14
16. -211 - LENGTH: 50
163 - 212 - TYPE: DNA
1964 11% OFGANISM: human
jek - 400 - SEQUENCE: 24
                                                                        50
UCT ogt sigaget gaaatentag baaacttige atteattgea agaettacag
169 - 10 - SEQ ID NO: .5
270 - 11 - LENGTH: 166
171 - 102 - TYPE: FRT
N72 K213 / OFGAINIEM: human
274 - 400 - SEQUENCE: 11
375 Met Ser Ty: Asn Leu Gly Phe Leu Gln Arg Ser Ser Asn Phe Gln
                                10
.. 74 1
 2007 Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg Leu Glu Tyr Cys Leu
 276 26
                                   25
 279 Lys Asp Ard Met Asn Phe Asp Ile Pro Glu Glu Ile Lys Gln Leu Gln
 40
 .981 Glm Phe Glm Lys Glu Asp Ala Ala Leu Thr Ile Tyr Glu Met Leu Glm
                           55
 182 50
 193 Asr. He Pho Ala lle Phe Arg Gln Asp Ser Ser Ser Thr Gly Trp Asn
                                           75
                        70
 1955 Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val Tyr His Gln Ile Asn
                                       90
                    85
 197 His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu Lys Glu Asp Phe Thr
                100
 . H-A
 189 Arg Gly Ala Leu Met Ser Ser Leu His Leu Lys Arg Tyr Tyr Gly Arg
                                120
 (90 115
 291 Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser His Cys Ala Trp Thr
                                 140
                           1.35
 . 45 lle Val Ard Val Blu Ile Leu Arg Asn Phe Tyr Arg Ile Asn Arg Leu
                                        155
                        150
  . 14 j 4 <sup>E</sup>
 195 The Cly fyr Lee Arg Asn
  46
 198 - 2100 SEQ ID NO: 26
  _4, .211. LENGTH: 160
  Scot - Mid - TYPE: PRT
  NOT WITH OFGANISM: Human
  yok kabo kargmence: d6
  How Met Ala Tyr Ala Ala Leu Gly Ala Leu Gln Ala Ser Ser Asn Phe Gln
                                 10
  51.5
```

PATENT APPLICATION: US/09/832,658A TIME: 10:58:02

DATE: 02/27/2003

Input Set: A:\BGN-14.txt
Output Set: N:\CRF4\02272003\I832658A.raw

US 098326580GP1



Creation date: 09-05-2003

Indexing Officer: MTRAN4 - MINH N. TRAN

Team: OIPEBackFileIndexing

Dossier: 09832658

Legal Date: 05-20-2003

No.	Doccode	Number of pages
1	CTRS	4

Total number of pages: 4

Remarks:

Order of re-scan issued on